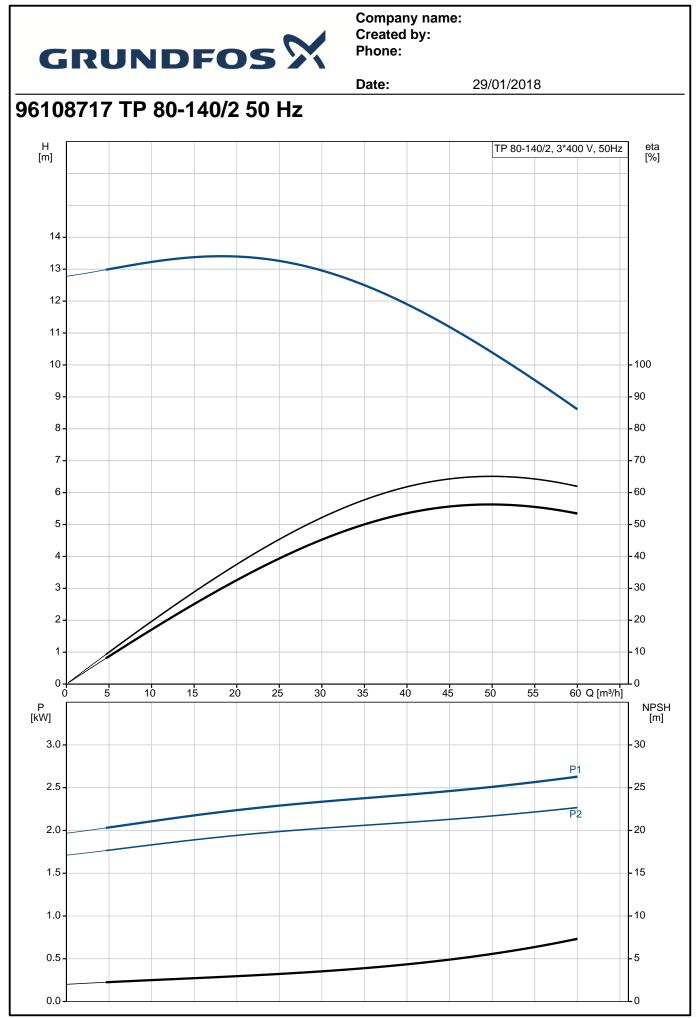
G	RI	UNDFOS		Company Created by Phone:			
				Date:	29/01/2018		
Position	Qty.	Description					
	1	TP 80-140/2 A-F-A-BQQE					
		Product No.: 96108717					
		Single-stage, close-coupled, volute pump with in-line suction and discharge ports of identical di The pump is of the top-pull-out design, i.e. the power head (motor, pump head and impeller) ca removed for maintenance or service while the pump housing remains in the pipework.					
	The pump is fitted with an unbalanced rubber bellows seal. The shaft seal is according to EN Pipework connection is via PN 16 DIN flanges (EN 1092-2 and ISO 7005-2). The pump is fitted with a fan-cooled asynchronous motor.						
		Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during opera Density:	Water -25 120 °( tion: 20 °C 998.2 kg/m <sup>2</sup>				
		<b>Technical:</b> Speed for pump data: Rated flow: Rated head: Actual impeller diameter: Primary shaft seal: Curve tolerance:	2900 rpm 52.2 m <sup>3</sup> /h 10.4 m 105 mm BQQE ISO9906:20	012 3B			
		Materials: Pump housing: Impeller:	Cast iron EN-JL1040 ASTM A48- Cast iron EN-JL1030 ASTM A48-	40 B			
		Installation:					
		Range of ambient temperature: Maximum operating pressure: Flange standard: Pipe connection: Pump inlet: Pump outlet: Pressure rating: Port-to-port length: Flange size for motor:	-30 60 °C 16 bar DIN DN 80 DN 80 DN 80 PN 16 360 mm FF165				
		Electrical data: Motor type: IE Efficiency class: Rated power - P2: Power (P2) required by pump: Mains frequency:	90LC IE3 2.2 kW 2.2 kW 50 Hz				



			Date:	29/01/2018
Position	Qty.	Description		
		Rated voltage: Rated current: Starting current: Cos phi - power factor: Rated speed: Efficiency: Motor efficiency at full load: Motor efficiency at 3/4 load: Motor efficiency at 1/2 load: Number of poles: Enclosure class (IEC 34-5): Insulation class (IEC 85):	3 x 380-415D V 4.45 A 850-950 % 0,89-0,87 2890-2910 rpm IE3 85,9% 85.9 % 86.8 % 86.0 % 2 55 Dust/Jetting F	
		Others: Minimum efficiency index, MEI ErP status: Net weight: Gross weight: Shipping volume:	: 0.69 EuP Standalone/Prod. 61 kg 75 kg 0.18 m <sup>3</sup>	

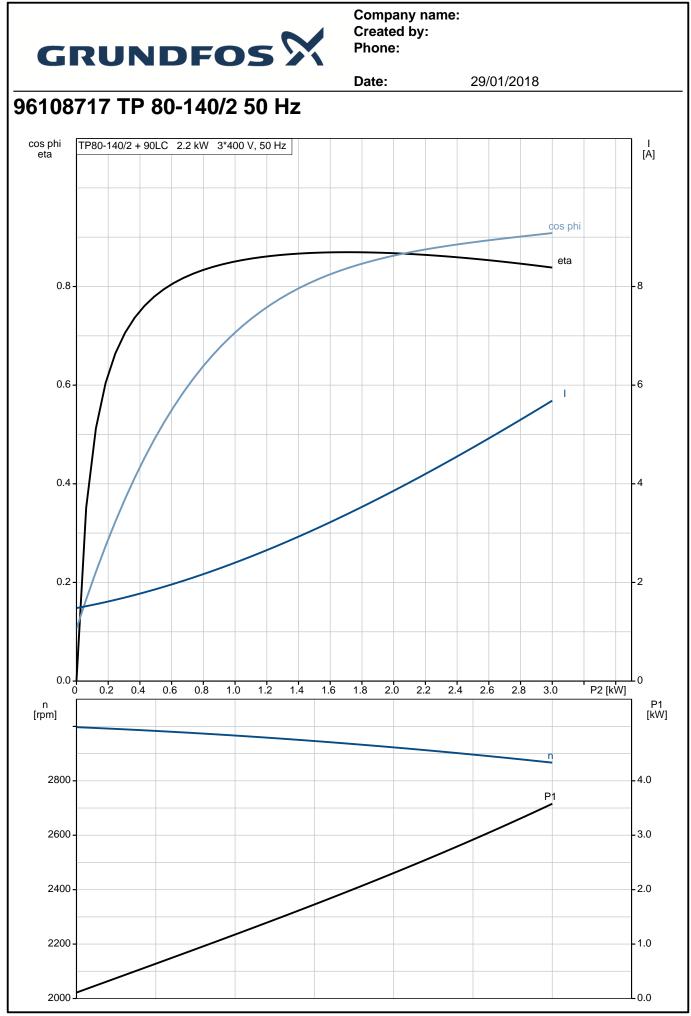


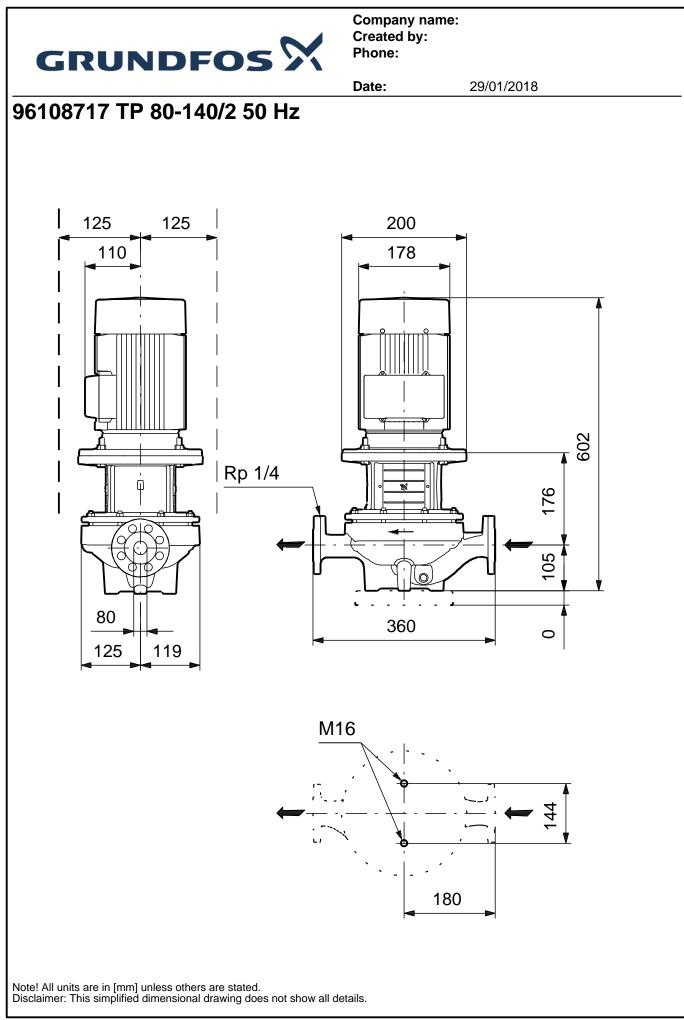


		Date:	29/0	1/2018		
Description	Value	H [m]		TP 80-	140/2, 3*400 V, 5	0Hz
General information:						
Product name:	TP 80-140/2 A-F-A-BQQE					
Product No:	96108717	14 -				
EAN number:	5700396976839	13				
EAN humber.	5700396976639					
Tashniash		12 -				
Technical:	0000	11			$\mathbf{i}$	
Speed for pump data:	2900 rpm	10 -				
Rated flow:	52.2 m³/h	9				
Rated head:	10.4 m					
Head max:	140 dm	8 -				F
Actual impeller diameter:	105 mm	7 -				
Primary shaft seal:	BQQE	6 -				
Curve tolerance:	ISO9906:2012 3B	5 -				
Pump version:	A	5 <b>-</b>				
Model:	A	4 -		·		
		3 -				
Materials:		2 -				
Pump housing:	Cast iron	- //				
r amp nousing.	EN-JL1040	1-				
			10 20	30 40	50 Q [r	n³/h]
lese alla es	ASTM A48-40 B	- P	20	JU 40	ວບ ບ[r	17/0]
Impeller:	Cast iron	[kW]				
	EN-JL1030				P	.
	ASTM A48-30 B	2.5 -			P	'
Material code:	A				P	
		2.0				-
Installation:		1.5				
Range of ambient temperature:	-30 60 °C	1.5 -				
Maximum operating pressure:	16 bar	1.0 -				
Flange standard:	DIN					
Connect code:	F	0.5 -				-
Pipe connection:	DN 80	0.0				
Pump inlet:	DN 80	0.0 -				
Pump outlet:	DN 80					
Pressure rating:	PN 16					
Port-to-port length:	360 mm					
Flange size for motor:	FF165					
Liquid:						
Pumped liquid:	Water					
Liquid temperature range:	-25 120 °C					
Liquid temperature during operation:	20 °C					
Density:	998.2 kg/m <sup>3</sup>					
Electrical data:						
Motor type:	90LC					
IE Efficiency class:	IE3					
Rated power - P2:	2.2 kW					
Power (P2) required by pump:	2.2 kW					
Mains frequency:	50 Hz					
Rated voltage:	3 x 380-415D V					
Rated current:	4.45 A					
Starting current:	850-950 %					
Cos phi - power factor:	0,89-0,87					
Rated speed:	2890-2910 rpm					
Efficiency:	IE3 85,9%					
Motor efficiency at full load:	85.9 %					
Motor efficiency at 3/4 load:	86.8 %					
Motor efficiency at 1/2 load:	86.0 %					



		Date:	29/01/2018
Description	Value		
Enclosure class (IEC 34-5):	55 Dust/Jetting		
Insulation class (IEC 85):	F		
Motor protec:	NONE		
Motor No:	87220294		
Others:			
Minimum efficiency index, MEI :	0.69		
ErP status:	EuP Standalone/Prod.		
Net weight:	61 kg		
Gross weight:	75 kg		
Shipping volume:	0.18 m³		







Date:

29

29/01/2018

## 96108717 TP 80-140/2 50 Hz

